

USE OF IKE ANTI-CLOGGING DIGITAL COOKIES

FIG. 4 84 **START GENERATE A FIRST PORTION OF** AN X-BIT DIGTIAL COOKIE ON A FIRST NETWORK DEVICE ON A COMPUTER NETWORK BASED ON A X-BIT BIT MASK 86 TEMPLATE SENT TO THE FIRST NETWORK DEVICE BY A SECOND NETWORK DEVICE ON THE COMPUTER NETWORK SEND A REQUEST MESSAGE TO A SECOND NETWORK DEVICE ON THE COMPUTER NETWORK TO REQUEST A SECOND PORTION OF THE X-BIT DIGTIAL COOKIE, WHERE THE REQUEST MESSAGE INCLUDES THE FIRST PORTION 88 OF THE X-BIT DIGTIAL COOKIE RECEIVE A RESPONSE MESSAGE FROM THE SECOND NETWORK DEVICE. WHERE THE RESPONSE MESSAGE INCLUDES THE SECOND PORTION OF X-BIT DIGITAL COOKIE AND WHERE THE SECOND NETWORK DEVICE GENERATES POTENTIAL X-BIT DIGITAL COOKIES USING THE FIRST PORTION OF THE X-BIT DIGTIAL COOKIE AND 90 THE SECOND PORTION OF THE X-BIT DIGTIAL COOKIE UNTIL A POTENTIAL X-BIT DIGITAL COOKIE IS GENERATED THAT IS NOT IN USE ON THE COMPUTER NETWORK GENERATE A COMPLETE X-BIT DIGITAL COOKIE ON THE FIRST NETWORK DEVICE USING THE FIRST PORTION AND THE SECOND PORTION OF THE X-BIT DIGTIAL COOKIE, WHERE THE COMPLETE DIGITAL COOKIE IS NOT IN USE ON 92 THE COMPUTER NETWORK

END

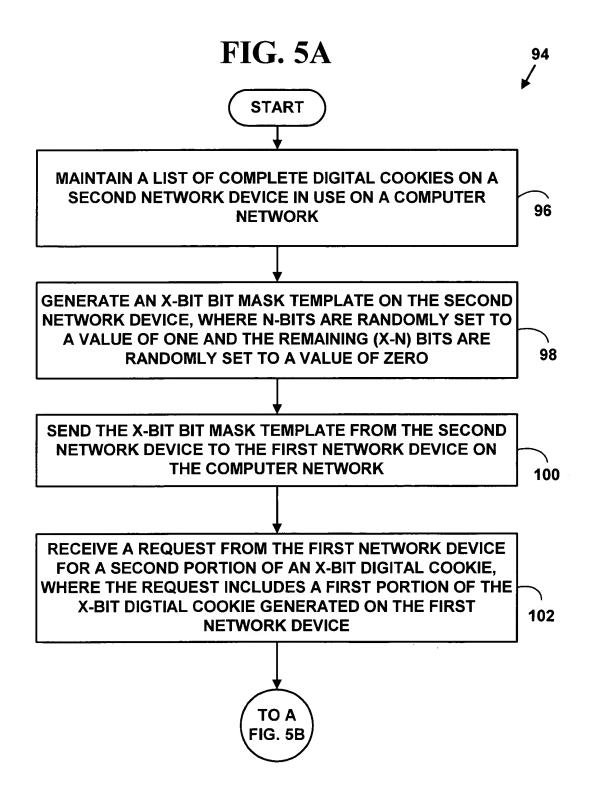


FIG. 5B

